

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH,

GEO. COLBORNE,

M.A., M.R.C.S., L.R.C.P.,

FOR THE

WANGFORD

RURAL DISTRICT COUNCIL

For the Year 1906.

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ANNUAL REPORT

OF THE

Medical Officer of Health,

AS TO THE

Sanitary Condition of the Wangford Rural District,
During the Year 1906.

**To the Chairman and Members of the
COUNCIL OF THE RURAL DISTRICT OF WANGFORD.**

GENTLEMEN,

I have the honour to lay before you my report of the sanitary condition of the District during the year 1906.

The District lies along the southern bank of the river Waveney covering an area of 33,586 acres. In the river valley it consists of a strip of marsh land which is liable to be flooded after heavy rains. The town of Bungay stands upon an accumulation of river gravels in a bend of the valley which surrounds it on three sides. To the south of the river the land rises to an average height of about 80 feet above the sea level, and at this altitude is capped by a layer of the Great Chalky Boulder Clay, which so extensively covers the central and northern surface of East Anglia. On this clay area ponds are numerous and furnish the chief water supply in the rural districts.

The population is almost entirely agricultural, or dependent upon Agriculture ; the only other industry giving employment to any considerable number of people is the Chaucer Press in the town of Bungay.

In the years between 1891 and 1901 there was a decrease in the population of 669. Since then I believe there has been but little further decrease, if any, in the town of Bungay, and in my estimate for 1906 I have reckoned the population of the town as stationary. For the Rural Districts I have reckoned in the usual way, allowing for a probable yearly decrease proportionate to that which was found to have occurred between 1891 and 1901. The estimate thus arrived at gives for the whole District a total of 7791 in the middle of 1906, a somewhat higher number than the average birth rate would indicate. I have used this total in working out the following percentages.

CENSUS RETURNS FOR 1891 AND 1901.

BUNGAY DIST.	1891	1901	BECCLES DIST.	1891	1901
Bungay St. Mary	1759	1673	Barsham ..	299	251
„ Holy Trinity	1801	1641	Ellough ..	140	127
All Saints ...	241	233	North Cove ..	235	240
Flixton	168	193	Redisham ..	169	117
Homersfield ..	160	139	Ringsfield ..	309	321
Mettingham ..	325	318	St. Andrew's ..	484	373
St. Cross	222	189	Shadingfield ..	159	155
St. James'	201	187	Shipmeadow ..	223	245
St. John's	93	72	Sotterley	246	221
St. Lawrence ..	247	211	Weston	253	217
St. Margaret's } Ilketshall }	268	250	Willingham ..	115	138
St. Margaret's } South Elmham }	123	121	Worlingham ..	198	181
St. Michael's ..	116	84			
St. Peter's	79	93			
TOTALS	5803	5404	TOTALS	2829	2586

Total for the Whole District in 1901—7926 ; estimated 1906—7791

The Births registered in 1906 were :—

Males	...	...	...	101
Females	...	...	...	84
Total	...	...	...	<hr/>185

Of these, 33 males and 26 females were born in Bungay, and 68 males and 58 females in the country districts.

The average total of births per year in the last ten years was 201, and the rate per 1000 births was 24·57.

In 1905 the total was 217, and the rate was 27·25.

In 1906 the total was 185, and the rate was 23·74.

The average birth rate per 1000 births for the Rural Districts in England and Wales was in 1905 about 27.

The Deaths registered in 1906 were :—

Males	...	...	...	65
Females	...	...	...	68
Total	...	...	...	<hr/>133

Of these 61 belonged to the town of Bungay (including the deaths of 8 Bungay people at the Workhouse at Shipmeadow), showing a death rate of 18·4 for the town.

In the country districts there were 68 deaths (deducting those of 4 non-residents at the Workhouse), showing a death rate of 15·12 in the rural part of the District.

The average total of deaths in the whole District for the last 10 years annually has been 121, and the annual death rate 15.

The net total of deaths in the whole District in 1906 was 129, and the death rate 16·55

The net total in 1905 was 116, and the rate was 14·63.

The death rate in the Rural Districts in England and Wales was 14·9 in 1905.

Of the 129 residents who died in the District in 1906, two were over 90 years of age, twenty-five were over 80, and seventy were over 60, and twenty were under one year: thirty-nine were between the ages of 1 and 60, showing a death rate for these ages of 4·8, as compared with 7·4 the rate for these ages in England and Wales in 1905.

Our Infant Mortality seriously increased in 1906, as many as 7 premature births being registered, and the total of deaths under one year was 20 as compared with 13 in 1905. Our rate thus rose from 59·8 to 108·1. The average total of deaths at this age in the last 10 years has been annually 22, and the rate 111·9. The rate in the Rural Districts in England and Wales was 113 in 1905.

The following table shows the distribution of deaths in each Parish in the BUNGAY DISTRICT.

PARISHES IN THE BUNGAY DISTRICT.	POPULATION CENSUS 1901.	DEATHS.
Bungay	3314	53
All Saints	233	5
Flixton	193	1
Homersfield	139	1
Mettingham	318	3
St. Cross	189	4
St. James'	187	4
St. John's	72	1
St. Lawrence	211	1
St. Margaret's Ilketshall	250	3
St. Margaret's South Elmham	121	2
St. Michael's	84	4
St. Peter's	93	—
TOTAL	5404	82

The following table shows the distribution of deaths in the BECCLES DISTRICT.

PARISHES IN THE BECCLES DISTRICT.	POPULATION CENSUS 1901.	DEATHS.
Barsham	251	3
Ellough	127	3
North Cove	240	3
Redisham	117	3
Ringsfield	321	4
St. Andrews	373	2
Shadingfield	155	1
Shipmeadow	245	—
Sotterley	221	2
Weston	217	4
Willingham	138	2
Worlingham	181	1
Workhouse [including 4 non-residents]	—	23
TOTALS ...	2586	51

The following table shows the number of deaths in each month.

	BUNGAY DISTRICT.		BECCLES DISTRICT.	TOTALS.
	Town.	Country.		
January	4	1	7	12
February	7	3	2	12
March	7	6	3	16
April	5	2	7	14
May	2	3	6	11
June	6	0	0	6
July	2	3	5	10
August	5	4	5	14
September	5	1	2	8
October	4	2	3	9
November	2	2	2	6
December	4	2	9	15
Totals ...	53	29	51	133

Zymotic Diseases.—There has been only one death (from Whooping Cough) registered in 1906. Our Zymotic death rate was thus again, as in 1905, 0·12 per 1000 as compared with 1·09 for the Rural Districts throughout England and Wales.

The following **Notifications** were received:—

Diphtheria	...	...	...	6 cases
Erysipelas	...	...	...	3 „
Scarlet Fever	...	...	...	31 „
Typhoid Fever	...	...	...	2 „
Chicken Pox	...	...	...	6 „

None of these cases proved fatal. **Scarlet Fever** was unusually prevalent in East Anglia during the latter part of the year, and our District shared to some extent in the visitation, the number of cases notified rising to 31 as compared with 21 in 1905. This disease has in the last few years been less virulent than Measels or Whooping Cough, and its contagion has grown correspondingly difficult to deal with. The majority of the cases of Scarlet Fever in our District this year have displayed symptoms no more alarming than those of an ordinary cold, and it has sometimes been difficult to convince those concerned as to the real character of the disease. But the difficulties we have experienced in dealing with this slight epidemic should warn us to be better prepared in case of a more serious outbreak. The Hospitals in the neighbourhood which might possibly be made available are the Beccles Hospital for the Beccles District, the Ditchingham Hospital for the Bungay District, and the Halesworth Hospital which is within a convenient distance for the southern part of the District. There is also at the Workhouse at Shipmeadow for pauper patients accommodation which I believe might be made available for other patients if necessary. If it were possible to make sure of these resources, and organize them so as to make them at any time immediately available, the District would be in a fairly satisfactory position for dealing in the first instance at all events, with a serious epidemic.

Tuberculosis.—There were 13 deaths from Phthisis and 3 from other tuberculous diseases registered in 1906, showing a death rate of 2·04 as compared with 0·1 in 1905, and 0·88 in 1904. The death rate for Phthisis alone was 1·66, which is about the same as the death rate for this disease in the County of London and decidedly high for a rural district.

Cancer.—There were only 3 deaths from malignant disease registered in the District in 1906. This shows a death rate of 0·38, which compares favourably with our rate in 1905 which was 1·89, and with that for all England and Wales which was 0·93. During the last few years the general mortality from malignant disease has not apparently increased, which may mean only that there has been no further advance in the diagnosis of these diseases.

House Accommodation.—This is being steadily improved year by year, but both in the town of Bungay and in the country districts it is still very far from satisfactory. Deficient bedroom accommodation and overcrowding are too prevalent, and cannot be effectually dealt with whilst there are no funds available for rebuilding or improvement. Frequently the best possible is done with very defective premises, but more might be done if the people generally were better instructed in sanitary matters. Cleanliness and ventilation and disinfection are generally found to be within the reach of those who realize their value; and until these matters are cultivated by the people themselves our Phthisis rate and the prevalence of contagious disease will be greater than they should be.

Water Supply.—This is derived mainly from ponds and surface wells. Care is taken that the new cottages shall have adequate accommodation for the storage of rain water, but in the older cottages this as a rule is not sufficiently provided, and most of the people have a prejudice against the use of rain water for drinking purposes, which possibly has largely arisen from the inefficiency of the storage. The water from the ponds and from

most of the surface wells requires boiling to render it safe for drinking.

Sewerage.—The drains have been carefully attended to during the year. The Pail System for the removal of night-soil in the town has been worked with regularity and efficiency.

Dairies and Cowsheds.—These have been systematically inspected during the year with results which upon the whole have been satisfactory. The premises and management are excellent in some instances, but a few of the 24 inspected are not so clean as they might be. In several instances new and better premises are greatly needed, and only extra care and industry could under the circumstances produce such good results in the way of cleanliness as I have noted.

Factories, Workshops, &c.—In accordance with instructions from the Home Office I have gone the round of these with our Sanitary Inspector. The only large industry in the District is that of Messrs. Clay & Sons' Printing Press, and the management of this is excellent. I have found no case of work put out, and nothing of importance to report in the workshops visited. The defects in a slaughter house, to which I have lately drawn your attention, are I understand being attended to.

I have the honour to be Gentlemen,

Your obedient servant,

GEO. COLBORNE,

M.A., L.R.C.P., M.R.C.S.

REPORT

OF THE

SANITARY INSPECTOR

For the Year ending December 31st, 1906.

WANGFORD RURAL DISTRICT.

The Town of Bungay.—The Sewers are in good working order and several connections have been made under my supervision. The open Sewers and Ditches have been properly cleansed and alterations to the one near Dr. Ransome's have been made with satisfactory results.

The removal of the Night Soil has been duly performed, the number of tubs emptied being 38,860 for the year.

The Cowsheds and Dairies in Bungay and the District have been from time to time visited, and with the exception of a few have been found satisfactory. There are 24 Cow Keepers registered and 327 cows. 120 visits were made to the Cowsheds and Dairies. It was found necessary to serve notices in 46 cases for the abatement of nuisances, which were complied with. No proceeding for non-compliance with the Council's orders were taken during the year.

Visits have been made to 282 Cottages and Premises. Overcrowding was dealt with in 5 cases. There have been 14 new houses erected, and Water Certificates granted in 5 cases, while alterations and improvements to existing premises with the erection of new ones has taken place in 42 cases.

The Slaughter House at St. Margaret's has been visited from time to time, and with the exception of a few repairs and alterations is satisfactory.

The whole of the Public Houses in Bungay and District have been visited and sanitary alterations and improvements made in 15 cases.

The Disinfection after Contagious Disease has been carried out in 26 cases, and bedding in one case it was found necessary to destroy.

The Inspection of Premises Licensed for the Sale of Petroleum has from time to time been made.

J. O. REES,

Inspector.

TABLES.

Appended to Annual Report of the Medical Officer
of Health for the Year 1906.

Table 1.—Vital Statistics of Whole District during 1906 and Previous Years.
WANGFORD RURAL DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- residents registered in Public Institu- tions in the District. 10	Deaths of Residents registered in Public Institu- tions beyond the District. 11	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.					Number.	Rate.*
				Number.	Rate per 1,000 Births registered	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1896	8312	234	28.15	31	136.7	123	14.79	21	..	..	..	..
1897	8248	194	23.76	18	92.7	122	14.79	24	..	..	..	..
1898	8185	208	25.41	35	168.2	155	18.93	16	..	..	..	..
1899	8120	195	24.06	18	92.3	105	12.93	14	..	..	..	..
1900	8056	176	21.84	22	125.0	135	16.75	27	..	..	..	..
1901	7990	197	24.65	26	131.98	104	13.01	13	..	..	..	..
1902	7926	207	26.11	19	92.6	134	16.9	22	4	..	130	16.36
1903	7926	179	21.32	14	78.21	99	12.48	15	6	1	93	11.73
1904	7926	204	25.71	30	142.2	108	13.75	12	..	..	108	13.75
1905	7926	217	24.75	13	59.81	125	15.77	22	9	..	116	14.63
Averages for years 1896-1905.	8061.5	201.1	24.57	22.6	111.97	121	15	18.6	..		..	..
1906	7791	185	23.74	20	108.1	133	17.07	23	4	..	129	16.55

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water), 33,586.

Total population at all ages..... 7,926

Number of inhabited houses..... 1,980

Average number of persons per house 4.03

At the Census of 1901.

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
	DITCHINGHAM HOSPITAL.	

Is the Union Workhouse within the District? YES.

Table II.—Vital Statistics of separate Localities in 1906 and previous years.
WANGFORD RURAL DISTRICT.

Names of Localities.	1. BUNGAY.				2. BECCLES.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.	<i>a</i>	<i>b</i>	<i>c</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1896	5603	159	80	27	2709	75	43	4
1897	5563	132	72	12	2685	62	50	6
1898	5523	129	106	28	2661	79	49	7
1899	5483	125	67	12	2636	70	38	6
1900	5445	111	81	15	2611	59	54	7
1901	5404	130	62	20	2586	67	42	6
1902	5364	130	80	15	2562	77	50	4
1903	5364	94	65	11	2562	85	34	6
1904	5364	133	71	17	2562	71	37	6
1905	5364	137	76	8	2562	80	40	5
Averages of Years 1896-1905.	5447.7	128	76	16.5	2613.6	72.5	43.7	5.4
1906	5322	114	82	16	2468	71	47	4

NOTES.—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognized divisions of known population this Table need not be filled up.

(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms “resident” and “non-resident.”)

(c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.

(d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV.; thus, the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.; the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-column *d* with the total of column 3 in Table IV.

Table III.—Cases of Infectious Disease notified during the Year 1906.
WANGFORD RURAL DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY						
	At all Ages.	At Ages†—Years.					1	2	3	4	5	6	7	1	2	3	4	5	6	7
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65														
Small-pox ..	..	..	..	..	..	65 and upwards.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	6	..	3	..	3	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..
Membranous croup ..	3	..	..	..	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas ..	33	..	3	27	2	1	31	1	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever ..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Typhus fever ..	2	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Relapsing fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal fever ..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Varicella ..	6	1	3	2	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS ..	51	1	6	32	3	6	47	4	..	..	..	..	..	..	..	..	..	..	..	..

NOTES.—The localities adopted for this table should be the same as those in Tables II. and IV.
State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. Mark (W) the locality in which a workhouse is situated.
* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.
† These age columns for notification should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital—At the Workhouse for Paupers within the District.

Table IV.—Causes of, and Ages at, Death during the Year 1806.
WANGFORD RURAL DISTRICT.

CAUSES OF DEATH. 1	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).							TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT 16
	All Ages. 2	Under 1 year 3	1 and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and up- wards 8	BUNGAY 9	BECCLES 10	11	12	13	14	15	
Small-pox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough ..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Diphtheria and mem- branous croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever { Typhus .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other continued ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic influenza ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	2	2	..	..	..	..	..	2	..	..	..	..	..	..	..
Enteritis	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Puerperal fever ..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..
Erysipelas .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other septic diseases ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis	13	..	..	1	6	6	..	8	5	..	..	..	..	..	2
Other tubercular diseases	4	1	..	2	1	..	..	4	..	..	..	..	..	..	..
Cancer, magignant dis- ease	3	..	..	..	..	2	1	3	..	..	..	..	..	..	1
Bronchitis	7	..	1	..	..	2	4	6	1	..	..	..	..	..	..
Pneumonia	6	1	1	..	..	1	3	2	4	..	..	..	..	..	..
Pleurisy .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of Res- piratory Organs ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism	2	..	..	..	..	1	1	1	1	..	..	..	..	..	..
Cirrhosis of liver } ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Venereal disease ..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..
Premature birth ..	6	6	..	..	..	..	..	5	1	..	..	..	..	..	..
Diseases and accidents of parturition ..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Heart diseases ..	16	..	..	..	..	9	7	11	5	..	..	..	..	..	..
Accidents	2	1	1	..	..	..	..	1	1	..	..	..	..	..	1
Suicides	5	..	..	..	..	3	2	4	1	..	..	..	..	..	..
Nephritis	6	..	..	..	..	1	5	3	3	..	..	..	..	..	..
Locomotor Ataxia ..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Senile Decay	29	..	..	..	..	..	29	14	15	..	..	..	..	..	16
Marasmus	3	3	..	..	..	..	..	2	1	..	..	..	..	..	1
Convulsions	8	6	2	..	..	..	..	8	..	..	..	..	..	..	..
Hernia Strangulated ..	2	..	..	..	..	1	1	..	2	..	..	..	..	..	..
All other causes ..	9	..	..	..	1	5	3	5	4	..	..	..	..	..	1
All causes	129	20	6	3	9	34	57	81	48	..	..	..	..	..	23

NOTES.—(a) In this Table all deaths of "Residents" occurring in public institutions, whether within or without the district, are to be included with the other deaths in the columns for the several age groups columns (2-8). They are also, in columns 9-15, to be included among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be excluded from columns 2-8 and 9-15 of this Table.

(b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purposes of these Tables. The "Localities" should be the same as those in Tables II. and III.

(c) All deaths occurring in public institutions situated within the district, whether of "Residents" or of "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of this Table. The total number in this column should equal the figures for the year in column 9, Table I.

(d) The total deaths in the several "Localities" in columns 9-15 of this Table should equal those for the year in the same localities in Table II., sub-columns c. The total deaths at all ages in column 2 of this Table should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.

(e) Under the heading of "Diarrhœa" are to be included deaths certified as from diarrhœa, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic enteritis;
Zymotic enteritis;
Epidemic diarrhœa. Summer diarrhœa;
Dysentery and dysenteric diarrhœa;
Choleraic diarrhœa, cholera, cholera nostras (in the absence of Asiatic cholera).

Under the heading of "Enteritis" are to be included those certified as from Gastro-enteritis, Muco-enteritis, and Gastric catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, especially those of infants, under the specific term "Diarrhœa."

Deaths from diarrhœa secondary to some other well-defined disease should be included under the latter.

Under the headings of "Cancer" and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

GEO. COLBORNE, M.R.C.S., L.R.C.P., Medical Officer of Health.
January, 1907.

Table V.—Infantile Mortality during the Year 1906.

WANGFORD RURAL DISTRICT.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes.	{	Certified ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Uncertified ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases	{	Small-pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Chicken-pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Measles ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Scarlet Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Diphtheria: Croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Whooping Cough
Diarrhœal Diseases.	{	Diarrhœa, all forms ..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2
		Enteritis, Muco-enteritis, Gastro-enteritis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Gastritis, Gastro-intestinal Catarrh ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases.	{	Premature Birth ..	5	1	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	6
		Congenital Defects ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Injury at Birth ..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
		Want of Breast Milk ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Diseases.	{	Atrophy, Debility, Marasmus ..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..	3
		Tuberculous Meningitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Tuberculous Peritonitis: Tabes Mesenterica ..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
		Other Tuberculous Diseases ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Erysipelas ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Syphilis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Rickets ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Meningitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		(not Tuberculous)																		
		Convulsions ..	..	..	1	..	1	2	..	..	..	1	..	..	..	2	..	..	..	6
		Bronchitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Laryngitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Pneumonia ..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
		Suffocation, overlaying ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Other Causes ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS ..				7	1	1	..	9	2	1	3	..	2	1	..	..	2	..	..	20

District of WANGFORD RURAL.

Population, estimated to the middle of 1906—7791.

Births in the year { legitimate —166.
 { illegitimate—19.

Deaths in the year { legitimate infants—18.
 { illegitimate infants—2.

Deaths from all Causes at all Ages—129.

